

Yarn Spinning Mills: 2002

Issued December 2004

EC02-311-313111 (RV)

2002 Economic Census

Manufacturing

Industry Series



USCENSUSBUREAU

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



CONTENTS

Introduction to the Economic Census	v
Manufacturing	ix

Tables

1. Historical Statistics for the Industry: 2002 and Earlier Years ...	1
2. Industry Statistics for Selected States: 2002	2
3. Detailed Statistics by Industry: 2002	3
4. Industry Statistics by Employment Size: 2002.....	4
5. Industry Statistics by Primary Product Class Specialization: 2002	5
6a. Products Statistics: 2002 and 1997	6
6b. Product Class Shipments for Selected States: 2002 and 1997 .	8
7. Materials Consumed by Kind: 2002 and 1997.....	9

Appendixes

A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Methodology	C-1
D. Geographic Notes	--
E. Metropolitan and Micropolitan Statistical Areas	--
F. Comparability of Product Classes and Product Codes: 2002 to 1997	F-1

-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
313111, Yarn spinning mills 2002..	215	352	40 938	1 063 430	36 749	73 245	876 040	2 286 873	3 751 485	6 071 528	157 697
2001..	N	N	41 209	999 018	37 458	73 587	848 701	1 902 455	3 687 801	5 719 564	278 102
2000..	N	N	48 261	1 181 818	43 772	90 608	1 003 380	2 332 264	4 042 556	6 373 925	322 788
1999..	N	N	51 762	1 220 210	46 399	99 500	1 034 088	2 639 679	4 560 131	7 216 220	343 810
1998..	N	N	57 241	1 323 381	51 469	110 954	1 119 380	2 975 781	5 046 288	7 943 224	340 701
1997..	229	408	58 440	1 334 129	52 720	112 451	1 126 224	2 964 156	5 138 206	8 143 185	432 027

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
313111, Yarn spinning mills												
United States	1	352	239	40 938	1 063 430	36 749	73 245	876 040	2 286 873	3 751 485	6 071 528	'157 697
Alabama	1	24	22	4 290	112 651	4 043	8 100	100 662	234 623	338 861	570 386	'14 867
California	8	20	3	162	4 101	146	286	3 414	6 541	12 917	19 458	'262
Georgia	2	53	41	11 310	292 918	10 355	21 414	253 349	610 113	960 146	1 589 161	'47 848
Massachusetts	—	7	1	312	8 415	296	561	7 467	16 719	23 648	40 766	'341
North Carolina	—	119	105	15 638	402 617	14 011	28 207	329 646	949 548	1 568 890	2 510 885	'63 677
Pennsylvania	—	11	6	533	13 541	454	795	9 837	21 484	17 055	38 911	'506
South Carolina	1	33	28	4 469	117 495	3 978	7 988	94 216	204 538	473 426	682 606	'19 548
Tennessee	1	12	7	1 578	43 305	1 278	2 005	29 570	100 383	92 283	193 715	'1 936

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
313111, Yarn spinning mills	
Companies ¹	number.. 215
All establishments ²	number.. 352
Establishments with 1 to 19 employees	number.. 113
Establishments with 20 to 99 employees	number.. 91
Establishments with 100 employees or more	number.. 148
All employees ³	number.. 40 938
Total compensation	\$1,000.. 1 315 120
Annual payroll	\$1,000.. 1 063 430
Total fringe benefits	\$1,000.. 251 690
Production workers, average for year	number.. 36 749
Production workers on March 12	number.. 37 265
Production workers on May 12	number.. 36 991
Production workers on August 12	number.. 36 856
Production workers on November 12	number.. 35 814
Production worker hours	1,000.. 73 245
Production worker wages	\$1,000.. 876 040
Total cost of materials	\$1,000.. 3 751 485
Materials, parts, containers, packaging, etc., used	\$1,000.. 3 438 046
Resales	\$1,000.. 26 782
Purchased fuels	\$1,000.. 21 904
Purchased electricity	\$1,000.. 245 535
Contract work	\$1,000.. 19 218
Quantity of electricity purchased for heat and power	1,000 kWh.. 5 669 066
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 6 071 528
Primary products value of shipments	\$1,000.. 5 857 571
Secondary products value of shipments	\$1,000.. 182 995
Total miscellaneous receipts	\$1,000.. 30 962
Value of resales	\$1,000.. 27 251
Contract receipts	\$1,000.. 503
Other miscellaneous receipts	\$1,000.. 3 208
Primary products specialization ratio	percent.. 97
Value of primary products shipments made in all industries	\$1,000.. 6 407 465
Value of primary products shipments made in this industry	\$1,000.. 5 857 571
Value of primary products shipments made in other industries	\$1,000.. 549 894
Coverage ratio	percent.. 91
Value added	\$1,000.. 2 286 873
Total inventories, beginning of year	\$1,000.. 488 367
Finished goods inventories	\$1,000.. 205 889
Work-in-process inventories	\$1,000.. 109 426
Materials and supplies inventories	\$1,000.. 173 052
Total inventories, end of year	\$1,000.. 432 180
Finished goods inventories	\$1,000.. 182 017
Work-in-process inventories	\$1,000.. 100 128
Materials and supplies inventories	\$1,000.. 150 035
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '4 995 557
Total capital expenditures (new and used)	\$1,000.. '157 697
Buildings and other structures (new and used)	\$1,000.. '25 710
Machinery and equipment (new and used)	\$1,000.. '131 987
Automobiles, trucks, etc., for highway use	\$1,000.. '1 428
Computers and peripheral data processing equipment	\$1,000.. '1 812
All other expenditures for machinery and equipment	\$1,000.. '128 747
Total retirements	\$1,000.. '127 519
Gross value of depreciable assets at end of year	\$1,000.. '5 025 735
Depreciation charges during year	\$1,000.. '269 254
Total rental payments	\$1,000.. 28 708
Buildings and other structures	\$1,000.. 7 563
Machinery and equipment	\$1,000.. 21 145
Total other expenses ⁴	\$1,000.. 319 481
Response coverage ratio ⁵	percent.. 92
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 81 669
Communications services ⁴	\$1,000.. 4 730
Legal services ⁴	\$1,000.. 1 187
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 1 602
Advertising and promotional services ⁴	\$1,000.. 1 055
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 1 741
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 9 744
Management consulting and administrative services ⁴	\$1,000.. 3 431
Taxes and license fees ⁴	\$1,000.. 17 474
All other expenses ⁴	\$1,000.. 196 847

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
313111, Yarn spinning mills											
All establishments	1	352	40 938	1 063 430	36 749	73 245	876 040	2 286 873	3 751 485	6 071 528	'157 697
Establishments with—											
1 to 4 employees	6	62	124	3 152	105	198	2 426	2 160	13 584	18 963	'186
5 to 9 employees	9	24	c	D	D	D	D	D	D	D	D
10 to 19 employees	6	27	382	9 833	340	697	8 088	13 498	28 219	42 470	'679
20 to 49 employees	2	31	999	23 898	835	1 641	17 831	53 462	93 122	145 438	'2 788
50 to 99 employees	—	60	4 294	121 796	3 686	7 226	92 833	283 883	452 332	736 991	'22 002
100 to 249 employees	1	101	15 442	399 655	13 760	27 332	324 221	842 131	1 315 753	2 164 750	'74 358
250 to 499 employees	1	37	12 308	324 200	11 383	22 813	282 294	666 054	1 199 819	1 890 625	'39 452
500 to 999 employees	2	9	5 565	135 542	5 007	9 628	109 995	322 688	549 827	868 770	'5 624
1,000 to 2,499 employees	—	1	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	92	508	12 913	471	936	11 322	20 724	41 143	61 830	'1 013

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
313111	Yarn spinning mills	352	40 938	1 063 430	36 749	73 245	876 040	2 286 873	3 751 485	6 071 528	'157 697
3131111	Carded cotton yarns	81	13 341	363 144	11 678	23 995	287 104	861 521	1 370 455	2 237 408	'67 307
3131113	Combed cotton yarns	20	3 263	80 509	3 013	6 057	72 018	144 269	304 767	456 242	'25 208
3131115	Rayon, acetate, and/or lyocell spun yarns	9	1 087	28 003	937	1 765	21 405	53 311	70 303	120 974	'2 203
3131116	Spun noncellulosic fiber and other natural fiber yarns	105	19 625	503 437	17 990	36 037	429 185	1 111 657	1 718 492	2 827 123	'59 031
3131119	Wool yarns, including new, reused, and reprocessed wool	18	1 650	38 848	1 484	2 676	30 501	64 306	105 466	166 843	'1 879
313111C	Scouring and combing mill products.	5	686	17 832	494	471	9 576	16 306	119 599	163 906	'215

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
313111	Yarn spinning mills	2002.. N 1997.. N	X X	X X	6 407 465 8 714 457
3131111	Carded cotton yarns	2002.. N 1997.. N	X X	X X	2 317 849 3 633 066
31311111	Carded cotton yarns, gray	2002.. N 1997.. N	X X	X X	1 939 962 2 199 053
313111111	Carded cotton yarns, gray ¹	2002.. 46 1997.. 55	3 256.6 3 858.7	1 574.8 1 621.6	1 939 962 2 199 053
31311112	Carded cotton yarns, spun and finished in the same establishment	2002.. N 1997.. N	X X	X X	362 235 1 433 994
3131111221	Carded cotton yarns, spun and finished in the same establishment	2002.. 14 1997.. 18	X X	S S	362 235 1 433 994
3131111Y	Carded cotton yarns, nsk	2002.. N 1997.. N	X X	X X	15 652 19
3131111YWV	Carded cotton yarns, nsk	2002.. N 1997.. N	X X	X X	15 652 19
3131113	Combed cotton yarns	2002.. N 1997.. N	X X	X X	627 203 645 919
31311131	Combed cotton yarns	2002.. N 1997.. N	X X	X X	627 172 645 570
3131113111	Combed cotton yarns, gray ¹	2002.. 17 1997.. 24	264.0 469.4	S 318.5	550 371 578 422
3131113121	Combed cotton yarns, spun and finished in the same establishment	2002.. 4 1997.. 6	X X	68.2 40.2	76 801 67 148
3131113Y	Combed cotton yarns, nsk	2002.. N 1997.. N	X X	X X	31 349
3131113YWV	Combed cotton yarns, nsk	2002.. N 1997.. N	X X	X X	31 349
3131115	Rayon, acetate, and/or lyocell spun yarns	2002.. N 1997.. N	X X	X X	173 759 D
31311151	Rayon, acetate, and/or lyocell spun yarns	2002.. N 1997.. N	X X	X X	172 016 D
3131115111	Rayon, acetate, and/or lyocell spun yarns, gray ¹	2002.. 16 1997.. 28	59.4 129.9	⁹ 26.9 D	96 596 D
3131115121	Rayon, acetate, and/or lyocell spun yarns, spun and finished in the same establishment	2002.. 6 1997.. 7	X X	S 3.2	75 420 8 536
3131115Y	Rayon, acetate, and/or lyocell spun yarns, nsk	2002.. N 1997.. N	X X	X X	1 743 950
3131115YWV	Rayon, acetate, and/or lyocell spun yarns, nsk	2002.. N 1997.. N	X X	X X	1 743 950
3131116	Spun noncellulosic fiber and other natural fiber yarns	2002.. N 1997.. N	X X	X X	2 898 384 N
31311161	Polyester spun yarn, gray	2002.. N 1997.. N	X X	X X	1 041 291 N
3131116111	Polyester spun yarn, gray ¹	2002.. 40 1997.. N	1 440.5 N	⁹ 788.4 N	1 041 291 N
31311162	Polyester yarn, spun and finished in the same establishment	2002.. N 1997.. N	X X	X X	280 807 N
3131116221	Polyester yarn, spun and finished in the same establishment	2002.. 18 1997.. N	X X	S N	280 807 N
31311163	Other spun noncellulosic fibers and other natural fiber yarns, gray	2002.. N 1997.. N	X X	X X	960 370 N
3131116331	Other spun noncellulosic fibers and other natural fiber yarns, gray ¹	2002.. 36 1997.. N	S N	S N	960 370 N
31311164	Other noncellulosic fibers and other natural yarns, spun and finished in the same establishment	2002.. N 1997.. N	X X	X X	615 916 N
3131116451	Other noncellulosic fibers and other natural yarns, spun and finished in the same establishment	2002.. 17 1997.. N	X X	S N	615 916 N
3131116Y	Spun noncellulosic fiber and other natural fiber yarns, nsk	2002.. N 1997.. N	X X	X X	— N
3131116YWV	Spun noncellulosic fiber and other natural fiber yarns, nsk	2002.. N 1997.. N	X X	X X	— N
3131119	Wool yarns, including new, reused, and reprocessed wool	2002.. N 1997.. N	X X	X X	160 296 265 659
31311191	Wool yarns, including new, reused, and reprocessed wool	2002.. N 1997.. N	X X	X X	160 296 262 842
3131119100	Wool yarns, including new, reused, and reprocessed wool ¹	2002.. 23 1997.. N	39.5 N	⁹ 47.0 N	160 296 N
313111C	Scouring and combing mill products	2002.. N 1997.. N	X X	X X	131 019 D
313111C1	Scouring and combing mill products	2002.. N 1997.. N	X X	X X	131 019 D
313111C111	Scouring and combing mill products, tops and noils, including top or sliver converted from tow without combing	2002.. 3 1997.. 6	X X	X X	D D
313111C121	Scouring and combing mill products, scoured wool and other scouring and combing mill products, including nubs and slubs, etc.	2002.. 3 1997.. 8	X X	X X	D D
313111CY	Scouring and combing mill products, nsk	2002.. N 1997.. N	X X	X X	— —
313111CYWV	Scouring and combing mill products, nsk	2002.. N 1997.. N	X X	X X	— —
313111W	Yarn spinning mills, nsk, total	2002.. N 1997.. N	X X	X X	98 955 105 040

See footnotes at end of table.

Table 6a. **Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
313111	Yarn spinning mills—Con.				
313111W	Yarn spinning mills, nsk, total—Con.				
313111WY	Yarn spinning mills, nsk, total	N	X	X	98 955
	.....2002..	N	X	X	105 040
	.....1997..				
313111WYWW	Yarn spinning mills, nsk, for nonadministrative-record establishments	N	X	X	48 719
	.....2002..	N	X	X	52 616
	.....1997..				
313111WYWY	Yarn spinning mills, nsk, for administrative-record establishments	N	X	X	50 236
	.....2002..	N	X	X	52 424
	.....1997..				

¹For additional detail, see Current Industrial Report MA313F, Yarn Production.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3131111	Carded cotton yarns	
	United States..... 2002..	2 317 849
	..... 1997..	3 633 066
	Alabama..... 2002..	272 554
	..... 1997..	661 892
	Georgia..... 2002..	493 296
	..... 1997..	546 417
	North Carolina..... 2002..	1 048 446
	..... 1997..	1 773 337
	South Carolina..... 2002..	291 524
3131113	Combed cotton yarns	
	United States..... 2002..	627 203
	..... 1997..	645 919
	Georgia..... 2002..	99 939
	..... 1997..	174 836
	North Carolina..... 2002..	362 705
	..... 1997..	350 761
	South Carolina..... 2002..	78 962
	..... 1997..	47 971
3131115	Rayon, acetate, and/or lyocell spun yarns	
	United States..... 2002..	173 759
	..... 1997..	D
	North Carolina..... 2002..	67 578
	..... 1997..	125 070
3131116	Spun noncellulosic fiber and other natural fiber yarns	
	United States..... 2002..	2 898 384
	..... 1997..	N
	Alabama..... 2002..	296 577
	..... 1997..	N
	Georgia..... 2002..	978 307
	..... 1997..	N
	North Carolina..... 2002..	1 044 981
	..... 1997..	N
	South Carolina..... 2002..	317 246
3131119	Wool yarns, including new, reused, and reprocessed wool	
	United States..... 2002..	160 296
	..... 1997..	265 659
	California..... 2002..	9 733
	..... 1997..	N
	North Carolina..... 2002..	85 482
	..... 1997..	N
313111C	Scouring and combing mill products	
	United States..... 2002..	131 019
	..... 1997..	D

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
313111	Yarn spinning mills		
00900001	Total materials .....2002..	X	3 438 046
	.....1997..	X	4 806 068
11192001	Cotton fibers, raw 1,000 bales ..2002..	3 342.5	1 179 897
	.....1997..	q5 618.3	2 296 783
11200001	Other animal fibers (wool, mohair, etc.), raw .....2002..	X	79 140
	.....1997..	X	N
31499905	Wool tops .....2002..	X	22 684
	.....1997..	X	95 310
32522105	Rayon and acetate staple and tow mil lb ..2002..	S	97 878
	.....1997..	70.6	142 001
32522215	Nylon staple and tow mil lb ..2002..	S	459 257
	.....1997..	553.8	717 486
32522223	Polyester staple and tow mil lb ..2002..	S	456 164
	.....1997..	751.9	620 564
32522225	Acrylic staple and tow mil lb ..2002..	S	190 049
	.....1997..	q235.1	213 334
32522227	All other manmade fiber staple and tow (excluding glass) mil lb ..2002..	S	67 084
	.....1997..	22.9	101 158
31311101	Spun yarn, all fibers mil lb ..2002..	S	211 608
	.....1997..	p27.7	47 367
32522211	Nylon filament yarn mil lb ..2002..	S	179 535
	.....1997..	88.2	158 299
32522221	Polyester filament yarn mil lb ..2002..	D	D
	.....1997..	D	D
32522205	All other manmade fiber filament yarns mil lb ..2002..	D	D
	.....1997..	D	D
32513003	Dyes, lakes, and toners .....2002..	X	25 449
	.....1997..	X	20 203
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	315 427
	.....1997..	X	301 343
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	63 868
	.....1997..	X	54 778

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.